

8 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2003 ACS on STN

RN 212893-19-1 REGISTRY

CN 1,4-Butanediaminium, N,N'-dimethyl-N,N'-bis[3-[methyl-(9Z)-9-octadecenylamino]propyl]-N,N'-di-(9Z)-9-octadecenyl-, diiodide, dihydriodide (9CI) (CA INDEX NAME)

FS STEREOSEARCH

DR 219512-06-8

MF C86 H172 N4 . 2 H I . 2 I

CI COM

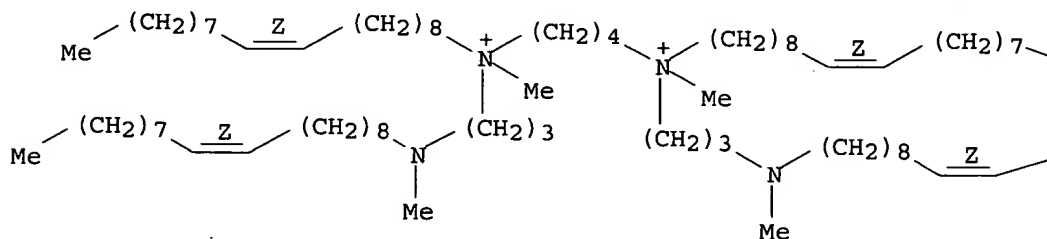
SR CA

LC STN Files: CA, CAPLUS, USPATFULL

CRN (213131-65-8)

Double bond geometry as shown.

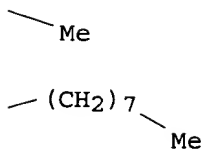
PAGE 1-A



● 2 I⁻

● 2 HI

PAGE 1-B



3 REFERENCES IN FILE CA (1907 TO DATE)

3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L18 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2003 ACS on STN

RN 212893-18-0 REGISTRY

CN 1,4-Butanediaminium, N,N'-dihexadecyl-N,N'-bis[3-(hexadecylmethylamino)propyl]-N,N'-dimethyl-, diiodide, dihydriodide (9CI) (CA INDEX NAME)

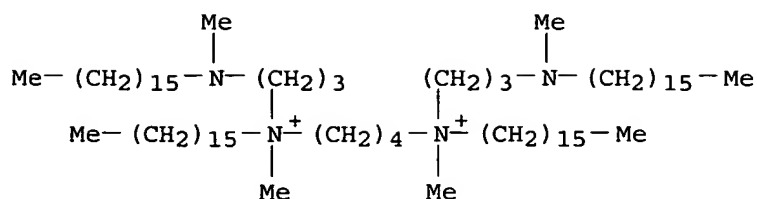
DR 219512-05-7

MF C78 H164 N4 . 2 H I . 2 I

CI COM

SR CA

LC STN Files: CA, CAPLUS, USPATFULL



● 2 I⁻

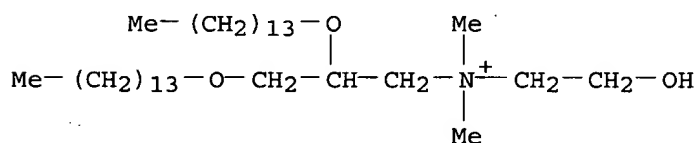
● 2 HI

3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L18 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2003 ACS on STN
RN 153312-64-2 REGISTRY
CN 1-Propanaminium, N-(2-hydroxyethyl)-N,N-dimethyl-2,3-bis(tetradecyloxy)-, bromide (9CI) (CA INDEX NAME)

OTHER NAMES:

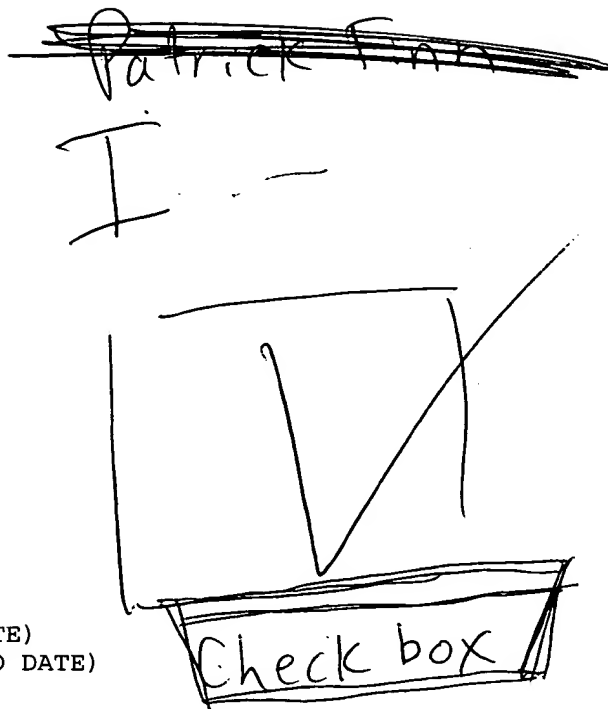
CN DMRIE
CN N-[1-(2,3-Ditetradecyloxy)propyl]-N,N-dimethyl-N-hydroxyethylammonium bromide *The wo*
DR 146659-77-0
MF C35 H74 N O3 . Br
CI COM
SR CA
LC STN Files: AGRICOLA, BIOSIS, CA, CANCERLIT, CAPLUS, IPA, MEDLINE, TOXCENTER, USPATFULL
CRN (191980-81-1)



● Br⁻

123 REFERENCES IN FILE CA (1907 TO DATE)
6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
123 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>



- Restriction

L18 #2

L20 ANSWER 1 OF 1 USPATFULL on STN
AN 2002:88268 USPATFULL
TI Peptide-enhanced transfections
IN Hawley-Nelson, Pamela, Silver Spring, MD, United States
Lan, Jianqing, Germantown, MD, United States
Shih, PoJen, Columbia, MD, United States
Jessee, Joel A., Mt. Airy, MD, United States
Schifferli, Kevin P., Germantown, MD, United States
Gebeyehu, Gulilat, Silver Spring, MD, United States
Ciccarone, Valentina C., Gaithersburg, MD, United States
Evans, Krista L., Germantown, MD, United States
PA Life Technologies, Inc., Rockville, MD, United States (U.S. corporation)
PI US 6376248 B1 20020423
AI US 1998-39780 19980316 (9)
RLI Continuation-in-part of Ser. No. US 1997-818200, filed on 14 Mar 1997,
now patented, Pat. No. US 6051429, issued on 8 Apr 2000
DT Utility
FS GRANTED
LN.CNT 4698
INCL INCLM: 435/458.000
INCLS: 435/320.100; 435/235.100; 536/023.100
NCL NCLM: 435/458.000
NCLS: 435/235.100; 435/320.100; 536/023.100
IC [7]
ICM: C12N015-88
ICS: C12N007-00; C12N015-63; C12N015-11
EXF 435/235.1; 435/320.1; 435/458; 536/23.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.